SBI CLERK Preliminary Grand Test –SCP-180672
HINTS & SOLUTIONS

ANSWER KEY

1.(3)	21. (2)	41.(4)	61. (3)	81. (1)
2.(1)	22. (1)	42.(3)	62. (4)	82. (5)
3.(4)	23. (3)	43.(2)	63. (2)	83. (4)
4.(5)	24. (1)	44.(1)	64. (2)	84. (2)
5.(2)	25. (5)	45.(2)	65. (4)	85.(3)
6.(4)	26.(4)	46.(2)	66. (3)	86. (1)
7.(2)	27.(2)	47. (4)	67.(1)	87. (4)
8.(2)	28.(5)	48. (2)	68.(1)	88. (2)
9.(4)	29.(1)	49. (3)	69.(4)	89. (5)
10.(5)	30.(5)	50. (5)	70.(3)	90. (4)
11.(5)	31.(5)	51.(3)	71. (1)	91.(5)
12.(3)	32.(3)	52.(5)	72. (4)	92.(3)
13.(5)	33.(1)	53(2)	73. (5)	93.(2)
14.(4)	34.(5)	54.(1)	74. (3)	94.(4)
15.(2)	35.(1)	55.(4)	75. (5)	95.(2)
16. (4)	36. (2)	56. (3)	76.(3)	96. (3)
17. (2)	37. (3)	57. (3)	77.(4)	97.(4)
18. (2)	38. (2)	58. (1)	78.(1)	98. (5)
19. (2)	39. (3)	59. (3)	79.(2)	99. (2)
20. (5)	40. (2)	60. (3)	80.(5)	100. (4)

HINTS & SOLUTION

1.(3) The expressions given in bold in both the parts (I) and (III) require some changes to make the sentence contextually meaningful. In the part (I), "**conveys that the army in specific**" is the correct expression. We cannot use "**in specifically**" as the word adverb "**specifically**" itself means **in a way that is exact and clear; precisely**. The second part of the sentence is absolutely correct. However, in the part (III), the expression "**take the battle for enemy territory**" should be replaced by "**taking the battle into enemy territory**" to make the sentence both grammatically correct and contextually meaningful. Hence option (3) is the correct choice.

2.(1) The expression given in bold in only the first part requires the correction. It is to be noted that since the verb "**costs**" is used in the singular form, the subject should also be in the similar form to comply with the subject-verb agreement. Thus, the expression "**Considering average-sized nuclear plants**" should be replaced by "**Seeing that an average-sized nuclear plant**" to make it grammatically feasible. The other two parts are both grammatically correct and contextually meaningful. Hence option (1) is the correct choice.

3.(4) There are errors in both the highlighted parts (II) and (III) of the sentence. In the part (II), the expression "**does not existed in many**" should be replaced by "**does not exist in many**" as the verb following **do/does/did** should be in its base form. In the part (III), the verb "**treat**" should be replaced by "**treated**" as the two verbs

"**seen**" and "**treated**" should be in the same form. The first part is both grammatically and contextually correct. Hence option (4) is the correct choice.

4.(5) The given sentence is grammatically correct and at the same time it is contextually meaningful. So, none of the bold parts requires correction or replacement. Hence option (5) is the correct choice.

5.(2) There is an error in only the second part of the sentence; the plural verb "**have**" should be replaced by its singular "**has**" as the subject of the verb is singular [**South Korea**]. The other two expressions given in bold are both grammatically correct and contextually meaningful. Hence option (2) is the correct choice.

6.(4) We can infer from first paragraph of the passage that sentence (d) is the correct choice.
The recurring failures (scams and scandals) of regulation or governance have not been corrected yet. Hence it needs to be taken into consideration by the regulatory body to avoid this situation.
Hence option (4) is the correct choice.
Refer the lines "There is also a quiet crisis that runs deep. It is not audible yet. But it is mounting, since recurring failures of regulation or governance have not led to any accountability or corrective action."

7.(2) "privatization is no solution" is the fact that we can deduct from second paragraph of the passage. As mentioned in the paragraph that even the gross NPA as a proportion of total assets of private sector banks are better than public sector banks but they are facing the same problem. Hence privatizing the public- sector banks is not a solution.
Options (1) and (3) are incorrect in context to the passage.
This makes option (2) as correct.
Refer the lines "For public sector banks, these proportions were higher at 11.4% and 14.5%, respectively. The problem is obviously serious in public sector banks. Even if private sector banks fare better, they also have the same problem. The systemic problem of bad loans needs to be addressed."

8.(2) Only sentence (III) is correct with respect to the third paragraph of the passage.
Refer the lines "Lending could also be inept if bank managers do not have the ability to assess risk or do not exercise due diligence."
Hence option (2) is the correct choice.

9.(4) Only option (4) is correct according to the last paragraph of the passage where it has been mentioned that India was a pioneer in establishing DFIs to start industralisation.
Hence option (4) is the most appropriate choice.
Refer the lines "India was a pioneer in establishing DFIs, its equivalent of development banks elsewhere, to kick-start industrialization."

10.(5) Refer the fourth paragraph of the passage "Apart from behest, corrupt or inept lending, some systemic problems arose. Commercial banks simply did not have the capability to assess credit risk on long-term investment lending because they have always been

engaged in advancing short-term working capital. Moreover, commercial banks were caught in a maturity mismatch, because they borrowed short from depositors but had to lend long to investors."
Hence option (5) is the correct choice.

11.(5) All the three starters can be used to frame a meaningful sentence respectively without altering the intended meaning of the given sentences. Hence option (5) is the correct choice.
(I)Published under the aegis of the Rashtriya Madhyamik Shiksha Abhiyan (RMSA), the counselling guidelines offer detailed identification and primary management of all issues related to a wide variety of "causative factors" in terms of disturbed mental health of students.
(II)Offering detailed identification and primary management of all issues related to a wide variety of "causative factors" in terms of disturbed mental health of students, the counselling guidelines are published under the aegis of the Rashtriya Madhyamik Shiksha Abhiyan (RMSA).
(III)Concerning disturbed mental health of students, the counselling guidelines, published under the aegis of the Rashtriya Madhyamik Shiksha Abhiyan (RMSA), offer detailed identification and primary management of all issues related to a wide variety of "causative factors".

12.(3) Both the starters (I) and (II) can be used to frame a meaningful sentence respectively without altering the exact meaning of the given sentences. However, it is not possible to construct a contextual sentence using the third starter as it would alter the intended meaning. Hence option (3) is the correct choice.
(I)Despite varying reasons for such an increasing tendency among students to inflict self-harm, the fact remains that India wastes an unacceptably large human and economic resource through student suicides each year.
(II)While the reasons for such an increasing tendency among students to inflict self-harm are varied, the fact remains that India wastes an unacceptably large human and economic resource through student suicides each year.

13.(5) All the three starters can be used to frame a meaningful sentence respectively without altering the intended meaning of the given sentences. Hence option (5) is the correct choice.
(I)Considering their eco-friendliness and economy, battery operated electric rickshaws are gradually replacing petrol/ diesel/ CNG auto rickshaws.
(II)Since battery operated electric rickshaws are eco-friendly and economic, they are gradually replacing petrol/ diesel/ CNG auto rickshaws.
(III)In view of the eco-friendliness and economy of battery operated electric rickshaws, they are gradually replacing petrol/ diesel/ CNG auto rickshaws.

14.(4) Both the starters (I) and (III) can be used to frame a meaningful sentence respectively without altering the exact meaning of the given sentences. However, it is not possible to construct a contextual sentence using the second starter as it would alter the intended meaning. Hence option (4) is the correct choice.
(I)Seeing that an average-sized nuclear plant costs around 5-6 billion dollars to build, the total cost of decommissioning and entombment of nuclear plants in the next 50 to 100 years could turn out to be several trillion dollars.

(III)While an average-sized nuclear plant costs around 5-6 billion dollars to build, the total cost of decommissioning and entombment of nuclear plants in the next 50 to 100 years could turn out to be several trillion dollars.

15.(2) Among the three starters, only (II) can give a meaningful sentence without altering the intended meaning of the given two statements. The other two options will give inappropriate meanings to the sentence. Hence option (2) is the correct choice.
(II)In an effort to boost bilateral relations between India and Azerbaijan, a range of issues are expected to be discussed during Swaraj's talks with leadership of that country.

16. (4) 'upright' is the correct word to be replaced as it is similar meaning as virtuous.

17. (2) 'engaged' best suits the purpose.
Swamped means overwhelm with an excessive amount of something; inundate.
Enlivened means make (something) more entertaining, interesting, or appealing.

18. (2) 'lives' is the correct word as the paragraph is talking about leading a righteous life.

19. (2) 'observing' is the correct word to be replaced making the sentence meaningful.

20. (5) No improvement is required here.

21. (2) 'states' is the most appropriate word as the sentence is telling about the something in accordance to Quran.

22. (1) 'Corollary' is the correct word as it means a proposition that follows from (and is often appended to) one already proved.

23. (3) 'helps' is the most appropriate word.

24. (1) 'earning' is the most appropriate word to be replaced.

25. (5) No improvement is required here.

26.(4) 'bursting, developments, rationality, holes' is the most appropriate set of words that should replace the existing ones to make the sentence grammatically correct and contextually meaningful. Hence **option (4)** is the correct choice.
Bursting means break open or apart suddenly and violently, especially as a result of an impact or internal pressure.
Gyrations means a rapid movement in a circle or spiral; a whirling motion.
Rationality means the quality of being based on or in accordance with reason or logic.
Fleabags means a dirty or shabby person or animal, typically one infested with fleas.

27.(2) 'abortive, violated, mandating, accreditation' is the most appropriate set of words that should replace the existing ones to make the sentence grammatically correct and contextually meaningful. Hence **option (2)** is the correct choice.
Abortive means failing to produce the intended result.
Accreditation means the action or process of officially recognizing someone as having a particular status or being qualified to perform a particular activity.
Applauded means to show strong approval of (a person or action); praise.
Credentials means a qualification, achievement, quality, or aspect of a person's background, especially when used to indicate their suitability for something.
Testimonial means a formal statement testifying to someone's character and qualifications.
Testament means a person's will, especially the part relating to personal property.

28.(5) The given set of words in the sentence is already correct and does not require any replacement.
Hence **option (5)** is the correct choice.
Tumultuous means excited, confused, or disorderly.
Mirages means an unrealistic hope or wish that cannot be achieved.
Robust means strong and healthy; vigorous.
Agitated means feeling or appearing troubled or nervous.
Evaded means escape or avoid (someone or something), especially by guile or trickery.
Chimeras means a thing which is hoped for but is illusory or impossible to achieve.
Wobbly means tending to move unsteadily from side to side.
Flabby means lacking strength, vitality, or effectiveness.

29.(1) 'relentlessly, infusion, pragmatic, apprehension' is the most appropriate set of words that should replace the existing ones to make the sentence grammatically correct and contextually meaningful. Hence **option (a)** is the correct choice.
Pragmatic means dealing with things sensibly and realistically in a way that is based on practical rather than theoretical considerations.
Capitalization means the provision of capital for a company, or the conversion of income or assets into capital.
Anxiety means a feeling of worry, nervousness, or unease about something with an uncertain outcome.

30.(5) The given set of words in the sentence is already correct and does not require any replacement.
Hence **option (5)** is the correct choice.
Furor means an outbreak of public anger or excitement.
Alleviation means the action or process of making suffering, deficiency, or a problem less severe.
Uproar means a public expression of protest or outrage.
Anxiety means a feeling of worry, nervousness, or unease about something with an uncertain outcome.

31.(5) I. $x^2 - 4x - 1152 = 0$
$x^2 - 36x + 32x - 1152 = 0$
$(x - 36)(x + 32) = 0$
$x = 36, -32$
II. $y^2 + 65y + 1056 = 0$
$y^2 + 33y + 32y + 1056 = 0$
$(y + 33)(y + 32) = 0$
$y = -33, -32$
$\therefore x \geq y$

32.(3) I. $5x^2 + 31x + 48 = 0$
$5x^2 + 15x + 16x + 48 = 0$
$(x + 3)(5x + 16) = 0$
$x = -3, \dfrac{-16}{5}$
II. $3y^2 + 27y + 42 = 0$
$3y^2 + 21y + 6y + 42 = 0$
$(y + 7)(3y + 6) = 0$
$y = -7, -2$
$\therefore$ No relation

33.(1) I. $3x + 7y = 40$
II. $42x + 21y = 200$
Solving (i) & (ii)
$x = \dfrac{80}{33}$ & $y = \dfrac{360}{77}$
$y > x$

34.(5) I. $12x^2 + 109x + 240 = 0$
$12x^2 + 64x + 45x + 240 = 0$
$(3x + 16)(4x + 15) = 0$
$x = -\dfrac{16}{3}, -\dfrac{15}{4}$
II. $9y^2 + 99y + 272 = 0$
$9y^2 + 51y + 48y + 272 = 0$
$(3y + 17)(3y + 16) = 0$
$y = -\dfrac{16}{3}, -\dfrac{17}{3}$
$x \geq y$

35.(1) $4x^2 - 33x + 63 = 0$
$4x^2 - 12x - 21x + 63 = 0$
$4x(x - 3) -21(x-3) = 0$
$x = 3, \dfrac{21}{4}$
$\therefore 10y^2 - 113y + 318 = 0$
$10y^2 - 60y - 53y + 318 = 0$
$10y(y - 6) -53(y - 6) = 0$
$y = 6, \dfrac{53}{10}$
$y > x$

36.(2) Wine in former mixture $= \dfrac{3}{5}$
Wine in latter mixture $= \dfrac{4}{9}$
Wine in resultant mixture $= \dfrac{1}{2}$
By using Allegation method

Former [Wine]	Resultant [Wine]	Latter [Wine]
$\dfrac{3}{5}$		$\dfrac{4}{9}$
	$\dfrac{1}{2}$	
$\dfrac{1}{2} - \dfrac{4}{9}$		$\dfrac{3}{5} - \dfrac{1}{2}$
$\dfrac{9-8}{18}$		$\dfrac{6-5}{10}$
10		18
5	:	9
15	:	27

27 litres of latter mixture must be mixed with 15 litres of the former mixture

37.(3) $A : B : C$
$3 : 2 : 5$
$3x : 2x : 5x$
$\therefore A^2 + B^2 + C^2 = (3x)^2 + (2x)^2 + (5x)^2$
$9x^2 + 4x^2 + 25x^2 = 38x^2$
$\Rightarrow 38x^2 = 1862$
$x^2 = \dfrac{1862}{38} \Rightarrow \dfrac{931}{19} \Rightarrow 49$
$x = \pm 7$
since, numbers are positive integer
$\therefore A = 3 \times 7 = 21$
$B = 2 \times 7 = 14$
$C = 5 \times 7 = 35$
Hence, smallest number is 14

38.(2) Let the 1st, 2nd and 3rd no. are a, b and c respectively
$a + b + c = 2$ ..... (i)
$a = \dfrac{1}{2}b$ ....(ii)
$c = \dfrac{1}{4}b$ .....(iii)
putting equation (ii) and (iii) in equation (i)
$\dfrac{b}{2} + b + \dfrac{b}{4} = 2$

$\frac{7b}{4} = 2$

Therefore,

$b = \frac{8}{7}$

So 2nd number is $= \frac{8}{7}$

39. (3) C.P. of T.V $= 12000 \times \frac{80}{100} = 9600$

Final price after transport & installation

$= 9600 + 550 + 250 = 10400$

S.P. to earn 25% profit $= 10400 \times \frac{125}{100}$

$= 13000$

40. (2) Let, one women can complete the work in y days

20 men 1 day work $= \frac{1}{16}$

1 men 1 day work $= \frac{1}{16 \times 20}$

16 men 1 day work $= \frac{1}{20}$

ATQ,

$\frac{1}{20} + \frac{12}{y} = \frac{1}{8}$

$\frac{12}{y} = \frac{1}{8} - \frac{1}{20}$

$\frac{12}{y} = \frac{5-2}{40}$

$y = \frac{12 \times 40}{3} = 160$

20 women complete work in $\frac{160}{20} = 8$ days

41. (4) Let total current accounts opened in city P = x

given, $\frac{5x}{18} = 10000$

$x = 10000 \times \frac{18}{5}$

$x = 36000$

Total number of accounts opened in city P

$= \frac{36000}{4} \times 15$

$= 135000$

Number of total branches in city P

$= \frac{\text{Total accounts(saving + current)}}{\text{average number of accounts opened in each branches}}$

$= \frac{135000}{900} = 150$

total Number of branches in city R $= \frac{38400}{400}$

$= 96$

Required% $= \frac{150 - 96}{96} \times 100$

$= 56.25\%$

42. (3) Let total number current accounts opened in city U = y

Given

$\frac{13y}{25} - \left(y - \frac{13y}{25} \right) = 320$

$y = 25 \times 320$

$y = 8000$

Total accounts opened in city U

$= \frac{8000}{2} \times 7$

$= 28000$

Average number of accounts opened in each branch in city U

$= \frac{28000}{112}$

$= 250$

Number of branches in city R $= \frac{38400}{400} = 96$

Required ratio $= \frac{250}{96} = 125 : 48$

43. (2) Let total current accounts is X and total saving account (23800 – X) in city T

ATQ—

$(23800 - X) 12.5 + 7.5X = 262500$

$297500 - 12.5X + 7.5X = 262500$

$X = \frac{35000}{5}$

(Current accounts) X = 7000

(Saving accounts)= (23800 – 7000)

$= 16800$

Required difference $= 16800 - 7000$

$= 9800$

44. (1) Total saving accounts in city Q

$= 44800 \times \frac{5}{7}$

$= 32000$

Total saving accounts in city S

$= 72 \times 550 \times \frac{7}{11}$

$= 25200$

Required average $= \frac{(32000 + 25200)}{2}$

$= 28600$

45. (2) Quantity I:

$\frac{^3C_2}{^{12}C_2} = \frac{1}{22}$

Quantity II:

$5\left(\frac{1}{2} + \frac{1}{2} + \frac{2}{7} - \frac{1}{14} - \frac{3}{14} \right) = \frac{1}{x}$

$5 = \frac{1}{x}$

$x = \frac{1}{5}$

Quantity II > Quantity I

46. (2) Required Percentage =

$\frac{(13 + 14) - 12}{12} \times 100 = \frac{15}{12} \times 100 = 125\%$

47. (4) Total no. of biscuit sold by B

$= \frac{27}{100} \times 2500 = 675$

Required difference $= \frac{(4 - 2)}{9} \times 675 = 2 \times 75 = 150$

48. (2) Total no. of biscuit sold by C

$= \frac{18}{100} \times 2500 = 450$

Biscuit bought by male and female together

$= \frac{(30 + 45)}{100} \times 450$

$= \frac{75}{100} \times 450$

$= 337.5$

Biscuit bought by transgender

$= \frac{25}{100} \times 450 = 112.5$

Required difference = 337.5 – 112.5 = 225

49. (3) Average number of biscuit sold by B, C and E together

$= \frac{27 + 18 + 12}{3 \times 100} \times 2500$

$= \frac{57}{3} \times 25$

$= 19 \times 25$

$= 475$
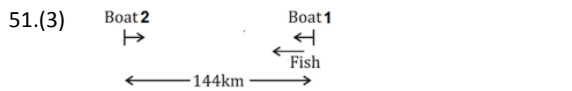
Total number of biscuit sold by A $= \frac{16}{100} \times 2500 = 400$

Required % $= \frac{475 - 400}{400} \times 100 = \frac{75}{4}\% = 18.75\%$

50. (5) Required difference

$= \frac{[12 + 13 + 14 - 16 - 18]}{100} \times 2500 = 5 \times 25 = 125$

51.(3)

Boat **2** → | Boat **1** ← ← Fish

← 144km →

Let speed of boat 2 and speed of fish is x and y respectively.
Boat 2 and fish meet in 4 hour
So,
$(x + y) \times 4 = 144$ ...(i)
Now
ATQ,
Speed of boat 1 = 28 – x
In 4 hour boat 1 cover = $4 \times (28 - x)$
$\frac{48}{60} \times (y + (28 - x)) = 144 - [4x + 4(28 - x)]$
$\frac{4}{5}(y - x) + 22.4 = 144 - 112$
$y - x = 12 \ldots \ldots (ii)$
Sovling (i) & (ii)
x = 12 km/hr
y = 24 km/hr

52.(5) Let each amount and rate be 100P and r respectively.
If principle is → 100P + 100P
So total intrest = $\frac{200P \times 42}{100} = 84P$
ATQ,
$84P = 100P \times r \times \frac{2}{100} + 100P[(1 + \frac{r}{100})^2 - 1]$
$84 = 2r + \frac{(r^2 + 200r)}{100}$
$8400 = 200r + r^2 + 200r$
$r^2 + 400r - 8400 = 0$
$r^2 + 420r - 20r - 8400 = 0$
$r(r + 420) - 20(r + 420) = 0$
r = 20%
Required interest = $\frac{12000 \times 44}{100}$
= 5280 Rs.

53.(2) Let Ayush Age, his wife age, his first son's age
and his second son's age is 20x, 3y, 9x and y respectively.
ATQ,
$9x - y = 6$ ...(i)
$20x + 3y + 9x + y = 26.5 \times 4$ ...(ii)
Solving (i) & (ii)
x = 2
y = 12
his wife's age = 12 × 3 = 36

54.(1) Let four number is w, x, y and z after reversing they formed A.P.
Sum of all number = (52.5 – 22.5) × 4 = 120
n = 4
d = 4
$S_n = \frac{n}{2}[2a + (n-1)d]$
$120 = \frac{4}{2}[2a + (4-1)4]$
a = 24
Reversed numbers
24, 28, 32, 36
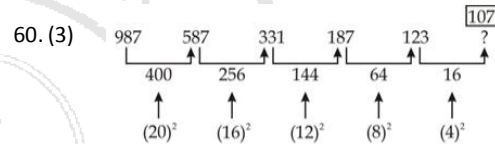Original number
42, 82, 23, 63
Largest number → 82

55.(4) Let radius of cylinder and hemisphere is 'r'
Also height of cylinder = 'r'
Total milk = $\pi r^2 \times r = \pi r^3$
Milk poured in 1 hemi-sphere
$= \frac{2}{3}\pi r^3$
Remaining milk = $\frac{1}{3}\pi r^3$
When this milk poured in 2nd sphere then it remained empty
$\frac{2}{3}\pi r^3 - \frac{1}{3}\pi r^3 = \frac{1}{3}\pi r^3$
Required% = 50%

56. (3) Pattern is
$14 \times 1 - 2 = 14 - 2 = 12$
$12 \times 2 - 3 = 24 - 3 = 21$
$21 \times 3 - 4 = 59$
$59 \times 4 - 5 = 231$
$231 \times 5 - 6 = 1149$
$1149 \times 6 - 7 = 6894 - 7$
= 6887

57. (3) Pattern is
$120 \div 8 = 15$
$15 \times 7 = 105$
$105 \div 6 = 17.5$
$17.5 \times 5 = 87.5$
∴ ? = 87.5 ÷ 4 = 21.875

58. (1) Pattern is
$158 \div 2 - 1 = 78$
$78 \div 2 - 1 = 38$
$38 \div 2 - 1 = 18$
$18 \div 2 - 1 = 8$
$8 \div 2 - 1 = 3$

59. (3) Pattern is
$8 \times 1 - 2.5 = 5.5$
$5.5 \times 2 - 2.5 = 8.5$
$8.5 \times 3 - 2.5 = 23$
$23 \times 4 - 2.5 = 89.5$
$89.5 \times 5 - 2.5 = 447.5 - 2.5 = 445$

60. (3)

987 587 331 187 123 [107] ?
  400   256   144   64   16
  (20)² (16)² (12)² (8)² (4)²

61. (3) $729 \times ? \div 81 - \sqrt{256} = \sqrt{169} \times (125)^{\frac{1}{3}}$
$\frac{729 \times ?}{81} - 16 = 13 \times 5$
$9 \times ? = 65 + 16$
$? = \frac{81}{9} = 9 \Rightarrow ? = 9$

62. (4) $? = \sqrt{\frac{15625}{10000}} = \sqrt{\frac{5 \times 5 \times 5 \times 5 \times 5 \times 5}{10 \times 10 \times 10 \times 10}} = \frac{125}{100} = 1.25$

63. (2) $\frac{(81)^{\frac{1}{4}}}{225} \times (16)^{\frac{1}{2}} \times \frac{85}{6} \div \frac{3}{150} = \frac{?}{0.045}$
$\frac{3}{225} \times 4 \times \frac{85}{6} \times \frac{150}{3} = \frac{?}{0.045}$
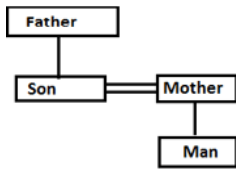$? = \frac{1}{75} \times \frac{2}{3} \times 85 \times 50 \times \frac{45}{1000}$
? = 1.7

64. (2) $?^2 = \sqrt{50 + 31} = \sqrt{81} = 9$
∴ ? = ±3

65. (4) 20% of 8040 + 30% of 540 = ?% of 3000
1608 + 162 = ?% of 3000
1770 = ?% of 3000
? = 59

66.(3)
S T R A T E G I C
T S A R T G E C I

S T I P U L A T E
T S P I U A L E T

67.(1) Of my father's son- means either Bholu or his brother. But as given "I have no Brothers and sisters" so it means Bholu is talking about himself.
Wife of my father's son- Bholu's wife
His mother means – Bholu's son.

(Family tree: Father — Son = Mother — Man)

68-70. Step 1: Using the given conditions, box A is kept immediately above the box which is 48kg in weight. There are three boxes between E and the box which is 48 kg in weight. Box E is 72 kg in weight. Box R is not of 48 kg. Box G is 28 kg in weight and is kept either at the top or at the bottom. More than two boxes are kept below A. So, there will be three possible cases,

Case 1		Case 2		Case 3	
Box	Weight	Box	Weight	Box	Weight
G	28 kg	A		E	72 KG
A			48 kg		
	48 kg			A	
					48 KG
		E	72 kg		
E	72 kg	G	28 kg	G	28 KG

Step 2 : From the given condition, there is only one box kept between the box which is 60 kg in weight and the box which is 72 kg in weight.

Case 1		Case 2		Case 3	
Box	Weight	Box	Weight	Box	Weight
G	28 kg	A		E	72 Kg
A			48 kg		
	48 kg		60 kg		60 kg
	60 kg			A	
		E	72 kg		48 Kg
E	72 kg	G	28 kg	G	28 Kg

Step 3 : As it is given that, Box M is placed immediately above box D. Box M is neither 48 kg nor 60 kg in weight. Box R is 36 kg in weight.

Case 1		Case 2		Case 3	
Box	Weight	Box	Weight	Box	Weight
G	28 kg	A		E	72 Kg
A			48 kg	M	
	48 kg	M		D	60 kg
M		D	60 kg	A	
D	60 kg	R	36 kg		48 Kg
R	36 kg	E	72 kg	R	36 kg
E	72 kg	G	28 kg	G	28 Kg

Step 4 : Now using the remaining conditions, Box O is kept below A. Box A is not 67 kg in weight. There is one box kept between box which is 67 kg in weight and the box which is 50 kg in weight.

Case 1		Case 2		Case 3	
Box	Weight	Box	Weight	Box	Weight
G	28 kg	A	50 kg	E	72 Kg
A	50 kg	O	48 kg	M	67 kg
O	48 kg	M	60 kg	D	60 kg
M	67 kg	D	60 kg	A	50 kg
D	60 kg	R	36 kg	O	48 Kg
R	36 kg	E	72 kg	R	36 kg
E	72 kg	G	28 kg	G	28 Kg

Now, as it is given that Less than three boxes are kept below the Box O, So, case 1 and case 2 will be eliminated and we get our final answer.
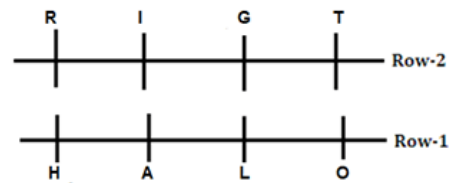
Case 3	
Box	Weight
E	72 Kg
M	67 kg
D	60 kg
A	50 kg
O	48 Kg
R	36 kg
G	28 kg

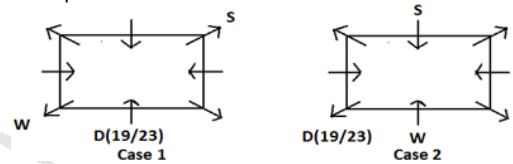68.(1) 69.(4) 70.(3)
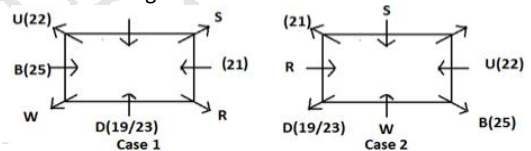
71-75.
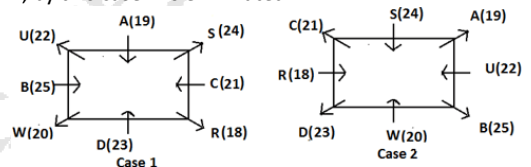

71. (1) 72. (4)
73. (5) 74. (3) 75. (5)

76-80. Step 1- As given in the Question 'S sits third to the right of D whose age is a prime number (So D's age either 19/23 years).' Then there are two possibilities for D either he sits on the corner or at the middle of the sides (represented in the fig.). further given that . 'There are three persons sit between S and W.
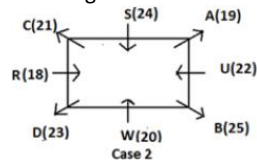

Step 2- Now, U who is 22 years old, sits second to the left of S. R sits opposite to U. Three persons sit in between B whose age is a perfect (from this we find that B is 25yr old) square and the one whose age is 21yr old. U is immediate neighbor of B.

Step3- further given that ' A's age is a prime number and A is younger than U ' means A's age must be 19 because U is 22yr old and D's age is 23 years. S is elder than W who is not youngest among all the persons, which means S is 24 years old and W is 20 years old and R is 18 years old. D who is immediate right of R is not facing towards A, by this case 1 is eliminated.

And we get our final solution.

76.(3) 77.(4)
78.(1) 79.(2) 80.(5)
81. (1) I. B = Q $\leq$ P < J $\leq$ Y (TRUE)
    II. X < A $\geq$ B = Q $\leq$ P < J (FALSE)
82. (5) I. Z $\geq$ A $\geq$ B = Q (FALSE)
    II. Z $\geq$ A $\geq$ B = Q (FALSE)
83. (4) I. G < R = A $\leq$ S (TRUE)
    II. S $\geq$ A = R > T (TRUE)
84. (2) I. M < K $\leq$ I $\geq$ C (FALSE)
    II. N < I $\geq$ K > M > U = P(FALSE)
85.(3) I. D $\geq$ P = U < M < K (FALSE)
    II. I $\geq$ K > M > U = P (TRUE)

86-90.

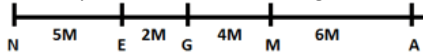| Day	Event
Monday	Boxing
Tuesday	Jujitsu
Wednesday	KARATE
Thursday	Kung fu
Friday	Taekwondo
Saturday	Wrestling
Sunday	Holiday

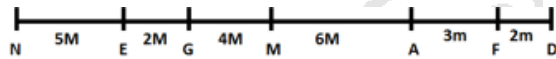86. (1)   87. (4)
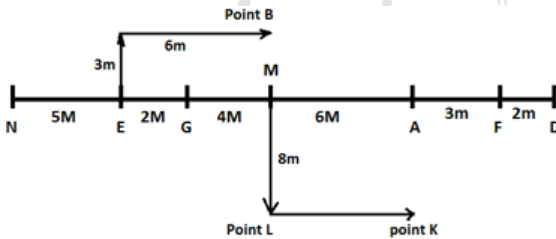88. (2)   89. (5)   90. (4)

91-94. Step 1 : From the given statements, N is 7m away from G. G is on the east of N and west of M. E is 5 m on the east of N. A is standing 6m on the east of M. G is 2m and 4m away from his immediate neighbours.

Now, G is 15m away from D. There are two persons who are 2m away from their immediate neighbour. F is 9m away in the east of M (distance between F and A is 3m). F is on the west of D (distance between F and D is 2m). So, we get the arrangement,
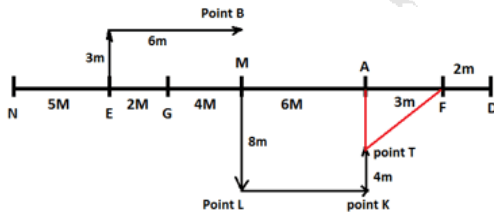

Step 2: Now it is given that, person M starts moving in the south direction covers 8m to reach point L and then he takes a left turn to reach point K. Person E starts walking in the north direction and covers 3m and then he takes a right turn walks for 6m to reach point B.

91.(5)
92.(3)
93.(2)

94.(4)

95.(2) Step 1 : As it is given that, Stick O is longer than R and N but not the longest. M is longer than O. N is longer than P. S is longer than M
S > M > O > N/R > R/N
Step 2 : Now, P is longer than R and N is longer than P. We get our final answer,
S > M > O > N > P > R

96-100.
Kovind→da
Ram→pa
nath→na
diamond/jubilee→ha/ja
on/suggested→ra/ta
attended→la
saturday→sa

96. (3)   97.(4)
98. (5)   99. (2)   100. (4)